

Claims

1. A urological resectoscope including a tubular shaft (1), through which an optical system (2) and a longitudinally moveable instrument carrier (5) pass, the optical system (2) being supported with respect to the tubular shaft (1) at a spacing from the proximal end of the tubular shaft (1) with a support device (9, 12) and the carrier (5) being positioned with a radial positioning device (10, 15) and a circumferential angular positioning device (11, 12), characterised in that the support device (12, 18, 18') is so arranged adjacent to the optical system (2) in the region in which the carrier (5) extends, that it supports the optical system (2) with respect to the tubular shaft (1) with a two point support system and imparts lateral guidance to the carrier (5) in the circumferential angular direction.
2. A resectoscope as claimed in Claim (1), characterised in that the support device (12, 18, 18') is so constructed that it brings the optical system (2) into

engagement with the side of the tubular shaft (1) situated opposite to the support device (12, 18, 19') in a three point support system.

3. A resectoscope as claimed in Claim (1), characterised in that the support device has two circumferentially spaced, fixed webs (12), which are each arranged in contact with the optical system (2) and the tubular shaft (1) on both sides of the carrier (5) and in sliding contact with it.

4. A resectoscope as claimed in Claim (1), characterised in that the webs (12) are connected to the tubular shaft (1).

5. A resectoscope as claimed in Claim (1) including an optical guide tube (4) accommodating the optical system (2), at least in the proximal region of the tubular shaft (1), characterised in that the webs (12) are connected to the optical guide tube (4).

6. A resectoscope as claimed in Claim (1), characterised in that the webs (12) have guide profiles (15) extending parallel to the tubular shaft (1) for longitudinally moveably guiding the carrier (5) in a radially fixed position.

7. A resectoscope as claimed in Claim (1), characterised in that the carrier (5) has strips (13) contacting the webs (12) in its longitudinal region, with which it is longitudinally moveable on the webs (12).

8. A resectoscope as claimed in Claim (1), characterised in that the support device (18, 18') is connected to the carrier (5) and is constructed to slide on the optical system (2) and on the tubular shaft (1, 1').

9. A resectoscope as claimed in Claim (8), characterised in that the tubular shaft (1') has a non-circular cross section matching the circumferential profile of the support device (18').